

**Feasibility Estimate**  
**Additions and Alterations**  
**Naugatuck High School**  
**New Construction**  
**August 10, 2011**

BSF Area	New Building Shell & Envelope		New Building Infrastructure		New Circulation		New Stairs		New Administration		New Green House		New Toilets-large		New Locker Rooms		New Fitness/Weights	
	16,942	Wall	23,703	U/C	5,856	U/C	500	U/C	928	U/C	281	U/C	1,204	U/C	5,236	U/C	3,085	U/C
	23,703	Floor																
<b>SUBSTRUCTURE</b>	<b>188,424</b>		<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0.00</b>	<b>3,583</b>	<b>12.75</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0.00</b>
Foundations	107,671	9.08	0	0.00	0	0.00	0	0.00	0	0.00	2,248	8.00	0	0.00	0	0.00	0	0.00
Basement Construction	80,753	6.81	0	0.00	0	0.00	0	0.00	0	0.00	1,335	4.75	0	0.00	0	0.00	0	0.00
<b>SHELL</b>	<b>1,876,796</b>	<b>79.18</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0.00</b>	<b>21,075</b>	<b>75.00</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0.00</b>
Superstructure	363,389	30.66	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Building Enclosure	1,013,934	59.85	0	0.00	0	0.00	0	0.00	0	0.00	21,075	75.00	0	0.00	0	0.00	0	0.00
Roofing	499,474	31.80	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
<b>INTERIORS</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0.00</b>	<b>174,945</b>	<b>29.87</b>	<b>30,151</b>	<b>60.30</b>	<b>28,454</b>	<b>30.66</b>	<b>1,686</b>	<b>6.00</b>	<b>58,793</b>	<b>48.83</b>	<b>208,114</b>	<b>39.75</b>	<b>91,088</b>	<b>29.53</b>
Interior Construction	0	0.00	0	0.00	84,790	14.48	7,296	14.59	14,754	15.90	1,686	6.00	27,346	22.71	107,030	20.44	35,034	11.36
Staircase	0	0.00	0	0.00	0	0.00	14,763	29.53	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Interior Finishes	0	0.00	0	0.00	90,155	15.40	8,091	16.18	13,700	14.76	0	0.00	31,448	26.12	101,084	19.31	56,054	18.17
<b>SERVICES</b>	<b>67,786</b>	<b>2.86</b>	<b>607,801</b>	<b>25.64</b>	<b>255,701</b>	<b>43.66</b>	<b>21,719</b>	<b>43.44</b>	<b>44,220</b>	<b>47.65</b>	<b>13,484</b>	<b>47.99</b>	<b>136,319</b>	<b>113.22</b>	<b>218,520</b>	<b>41.73</b>	<b>98,095</b>	<b>31.80</b>
Conveying Systems	0	0.00	0	0.00	39,901	6.81	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Plumbing	67,786	4.32	2,153	0.09	5,320	0.91	1,136	2.27	3,162	3.41	2,248	8.00	92,976	77.22	35,677	6.81	1,577	0.51
HVAC	0	0.00	356,659	15.05	91,773	15.67	7,949	15.90	16,335	17.60	6,182	22.00	21,466	17.83	89,192	17.03	42,041	13.63
Fire Protection	0	0.00	26,918	1.14	19,286	3.29	1,703	3.41	3,119	3.36	0	0.00	4,649	3.86	18,433	3.52	10,510	3.41
Electrical	0	0.00	201,883	8.52	93,103	15.90	9,937	19.87	16,598	17.89	4,496	16.00	17,228	14.31	71,353	13.63	42,391	13.74
Telecommunications	0	0.00	6,729	0.28	3,325	0.57	994	1.99	3,952	4.26	558	1.99	0	0.00	1,189	0.23	526	0.17
Security	0	0.00	13,459	0.57	2,993	0.51	0	0.00	1,054	1.14	0	0.00	0	0.00	2,676	0.51	1,051	0.34
<b>EQUIPMENT &amp; FURNISHINGS</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0.00</b>	<b>37,906</b>	<b>6.47</b>	<b>1,420</b>	<b>2.84</b>	<b>6,587</b>	<b>7.10</b>	<b>1,405</b>	<b>5.00</b>	<b>18,527</b>	<b>15.39</b>	<b>80,570</b>	<b>15.39</b>	<b>33,282</b>	<b>10.79</b>
Fixed Equipment	0	0.00	0	0.00	14,630	2.50	1,420	2.84	2,635	2.84	1,405	5.00	17,433	14.48	75,813	14.48	22,772	7.38
Fixed Furnishings	0	0.00	0	0.00	23,276	3.97	0	0.00	3,952	4.26	0	0.00	1,094	0.91	4,757	0.91	10,510	3.41
<b>SPECIAL CONSTRUCTION</b>	<b>13,459</b>	<b>0.64</b>	<b>13,459</b>	<b>0.64</b>	<b>14,963</b>	<b>2.56</b>	<b>1,391</b>	<b>2.78</b>	<b>2,371</b>	<b>2.56</b>	<b>782</b>	<b>2.78</b>	<b>2,735</b>	<b>2.27</b>	<b>11,892</b>	<b>2.27</b>	<b>6,867</b>	<b>2.23</b>
Special Construction	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Building Demolition	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Selective Building Demolition	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Hazardous Material Abatement	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Debris Removal	13,459	0.57	13,459	0.57	14,963	2.56	1,391	2.78	2,371	2.56	782	2.78	2,735	2.27	11,892	2.27	6,867	2.23
<b>BUILDING SITEWORK</b>	<b>11,981</b>	<b>0.51</b>	<b>2,961</b>	<b>0.12</b>	<b>2,660</b>	<b>0.45</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0.00</b>	<b>4,471</b>	<b>15.91</b>	<b>1,746</b>	<b>1.45</b>	<b>1,487</b>	<b>0.28</b>	<b>1,191</b>	<b>0.39</b>
Off-Site Utilities Allowance	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Site Preparation	11,981	0.55	2,961	0.12	2,660	0.45	0	0.00	0	0.00	998	3.55	1,746	1.45	1,487	0.28	1,191	0.39
Site Improvements	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
-ADA	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Site Civil/Mechanical Utilities	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	1,686	6.00	0	0.00	0	0.00	0	0.00
Site Electrical Utilities	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	1,405	5.00	0	0.00	0	0.00	0	0.00
Other Site Construction	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	383	1.36	0	0.00	0	0.00	0	0.00
<b>SUBTOTAL</b>	<b>2,158,445</b>	<b>91.06</b>	<b>624,221</b>	<b>26.34</b>	<b>486,175</b>	<b>83.02</b>	<b>54,680</b>	<b>109.36</b>	<b>81,632</b>	<b>87.97</b>	<b>46,486</b>	<b>165.43</b>	<b>218,119</b>	<b>181.16</b>	<b>520,583</b>	<b>99.42</b>	<b>230,524</b>	<b>74.72</b>
in CM Fee General Conditions	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
0.16% Building Permit (State Only)	3,454	0.15	999	0.04	778	0.13	87	0.17	131	0.14	74	0.26	349	0.29	833	0.16	369	0.12
0.00% Building Permit (Borough of Naugatuck)	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
6.00% Design & Estimating Contingencies	129,714	5.47	37,513	1.58	29,217	4.99	3,286	6.57	4,906	5.29	2,794	9.94	13,108	10.89	31,285	5.97	13,854	4.49
in CM Fee General Liability Insurance	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
3.50% Escalation to Bid Day 5/1/13	140,362	5.92	40,591	1.71	31,616	5.40	3,556	7.11	5,306	5.72	3,021	10.75	14,184	11.78	33,851	6.47	14,989	4.86
3.00% Escalation to Start Later Phases	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
0.25% Builder's Risk Insurance	6,080	0.26	1,758	0.07	1,369	0.23	154	0.31	230	0.25	131	0.47	614	0.51	1,466	0.28	649	0.21
8.00% Construction Contingency	195,044	8.23	56,407	2.38	43,932	7.50	4,941	9.88	7,376	7.95	4,201	14.95	19,710	16.37	47,041	8.98	20,831	6.75
in CM Fee Construction Manager's Bond	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
7.00% Construction Manager's Fee	184,317	7.78	53,304	2.25	41,516	7.09	4,669	9.34	6,971	7.51	3,969	14.13	18,654	15.49	44,454	8.49	19,685	6.38
0.25% Pre-Construction Fee	7,044	0.30	2,037	0.09	1,587	0.27	178	0.36	266	0.29	152	0.54	712	0.59	1,699	0.32	752	0.24
<b>TOTAL CONSTRUCTION</b>	<b>2,824,460</b>	<b>119.16</b>	<b>816,830</b>	<b>34.46</b>	<b>636,190</b>	<b>108.64</b>	<b>71,552</b>	<b>143.10</b>	<b>106,818</b>	<b>115.11</b>	<b>60,828</b>	<b>216.47</b>	<b>285,451</b>	<b>237.09</b>	<b>681,213</b>	<b>130.10</b>	<b>301,652</b>	<b>97.78</b>

BSF Area	New Dance Studio		New Storage		New Bleachers		Total New Construction	
	3,085	U/C	1,764	U/C	1,764	U/C	23,703	U/C
<b>SUBSTRUCTURE</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0.00</b>	<b>192,006</b>	<b>8.10</b>
Foundations	0	0.00	0	0.00	0	0.00	109,919	4.64
Basement Construction	0	0.00	0	0.00	0	0.00	82,088	3.46
<b>SHELL</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0.00</b>	<b>56,091</b>	<b>31.80</b>	<b>1,953,962</b>	<b>82.44</b>
Superstructure	0	0.00	0	0.00	56,091	31.80	419,479	17.70
Building Enclosure	0	0.00	0	0.00	0	0.00	1,035,009	43.67
Roofing	0	0.00	0	0.00	0	0.00	499,474	21.07
<b>INTERIORS</b>	<b>119,115</b>	<b>38.61</b>	<b>38,062</b>	<b>21.58</b>	<b>90,146</b>	<b>51.10</b>	<b>840,555</b>	<b>35.46</b>
Interior Construction	42,041	13.63	24,039	13.63	48,078	27.25	392,094	16.54
Staircase	0	0.00	0	0.00	0	0.00	14,763	0.62
Interior Finishes	77,075	24.98	14,023	7.95	42,068	23.85	433,698	18.30
<b>SERVICES</b>	<b>104,051</b>	<b>33.73</b>	<b>61,199</b>	<b>34.69</b>	<b>72,858</b>	<b>41.30</b>	<b>1,701,752</b>	<b>71.79</b>
Conveying Systems	0	0.00	0	0.00	0	0.00	39,901	1.68
Plumbing	1,752	0.57	4,006	2.27	1,683	0.95	219,474	9.26
HVAC	44,668	14.48	26,242	14.88	34,055	19.31	736,563	31.07
Fire Protection	10,510	3.41	5,609	3.18	6,010	3.41	106,747	4.50
Electrical	45,544	14.76	23,738	13.46	30,049	17.03	556,320	23.47
Telecommunications	526	0.17	501	0.28	401	0.23	18,700	0.79
Security	1,051	0.34	1,102	0.62	661	0.37	24,046	1.01
<b>EQUIPMENT &amp; FURNISHINGS</b>	<b>28,027</b>	<b>9.08</b>	<b>2,504</b>	<b>1.42</b>	<b>11,018</b>	<b>6.25</b>	<b>221,245</b>	<b>9.33</b>
Fixed Equipment	17,517	5.68	1,002	0.57	4,006	2.27	158,633	6.69
Fixed Furnishings	10,510	3.41	1,502	0.85	7,011	3.97	62,613	2.64
<b>SPECIAL CONSTRUCTION</b>	<b>6,867</b>	<b>2.23</b>	<b>4,307</b>	<b>2.44</b>	<b>3,926</b>	<b>2.23</b>	<b>83,018</b>	<b>3.50</b>
Special Construction	0	0.00	0	0.00	0	0.00	0	0.00
Building Demolition	0	0.00	0	0.00	0	0.00	0	0.00
Selective Building Demolition	0	0.00	0	0.00	0	0.00	0	0.00
Hazardous Material Abatement	0	0.00	0	0.00	0	0.00	0	0.00
Debris Removal	6,867	2.23	4,307	2.44	3,926	2.23	83,018	3.50
<b>BUILDING SITEWORK</b>	<b>1,191</b>	<b>0.39</b>	<b>1,382</b>	<b>0.78</b>	<b>681</b>	<b>0.39</b>	<b>29,751</b>	<b>1.26</b>
Off-Site Utilities Allowance	0	0.00	0	0.00	0	0.00	0	0.00
Site Preparation	1,191	0.39	1,382	0.78	681	0.39	26,277	1.11
Site Improvements	0	0.00	0	0.00	0	0.00	0	0.00
-ADA	0	0.00	0	0.00	0	0.00	0	0.00
Site Civil/Mechanical Utilities	0	0.00	0	0.00	0	0.00	1,686	0.07
Site Electrical Utilities	0	0.00	0	0.00	0	0.00	1,405	0.06
Other Site Construction	0	0.00	0	0.00	0	0.00	383	0.02
<b>SUBTOTAL</b>	<b>259,251</b>	<b>84.04</b>	<b>107,454</b>	<b>60.91</b>	<b>234,720</b>	<b>133.06</b>	<b>5,022,290</b>	<b>211.88</b>
in CM Fee General Conditions	0	0.00	0	0.00	0	0.00	0	0.00
0.16% Building Permit (State Only)	415	0.13	172	0.10	376	0.21	8,036	0.34
0.00% Building Permit (Borough of Naugatuck)	0	0.00	0	0.00	0	0.00	0	0.00
6.00% Design & Estimating Contingencies	15,580	5.05	6,458	3.66	14,106	8.00	301,820	12.73
in CM Fee General Liability Insurance	0	0.00	0	0.00	0	0.00	0	0.00
3.50% Escalation to Bid Day 5/1/13	21 21 16,857	5.46	21 6,986	3.96	21 15,262	8.65	326,580	13.78
3.00% Escalation to Start Later Phases	0 0 0	0.00	0 0 0	0.00	0 0 0	0.00	0	0.00
0.25% Builder's Risk Insurance	730	0.24	303	0.17	661	0.37	14,147	0.60
8.00% Construction Contingency	23,427	7.59	9,710	5.50	21,210	12.02	453,830	19.15
in CM Fee Construction Manager's Bond	0	0.00	0	0.00	0	0.00	0	0.00
7.00% Construction Manager's Fee	22,138	7.18	9,176	5.20	20,043	11.36	428,897	18.09
0.25% Pre-Construction Fee	846	0.27	351	0.20	766	0.43	16,389	0.69
<b>TOTAL CONSTRUCTION</b>	<b>339,244</b>	<b>109.97</b>	<b>140,608</b>	<b>79.71</b>	<b>307,143</b>	<b>174.12</b>	<b>6,571,988</b>	<b>277.26</b>